

Date: Thu, 18 Feb 93 09:37:59 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #228  
To: Info-Hams

Info-Hams Digest                      Thu, 18 Feb 93                      Volume 93 : Issue    228

Today's Topics:

                    A QRP list?  
                    Bearing & Distance  
            Bill Clinton and military surplus  
                    C160  
            Chuck Norris on 440? (2 msgs)  
            Clinton's Cuts (2 msgs)  
            Delivery Failure Report (2 msgs)  
            DJ160 mods! Here They Are  
            help aligning Drake ML-2  
            Midland 13-516 Tech Service Manual  
            Real Hams Pass British Exams  
Sales tax on mail order?From: bryan.weaver@bville.gts.org (Bryan Weaver)  
            Verification of QSL route for 5H3MT wanted  
                    Yaesu FT530 Mods???

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 18 Feb 93 14:03:59 GMT  
From: usc!wupost!csrcnis1.unl.edu!moe.ksu.ksu.edu!cis.ksu.edu!mac@network.UCSD.EDU  
Subject: A QRP list?  
To: info-hams@ucsd.edu

a-kevinp@microsoft.COM (Kevin Purcell, Rho) writes:  
>Is there a mailing list out there devoted to QRP issues?

Well, it's not a COMPUTER mailing list, but for \$12/year you can join

SPRAT (Small Powered Amateur Radio Transmission) G-QRP club

by sending your check to

c/o Luke B. Dodds, W5HKA; 2852 Oak Forest; Grapevine, TX 76051

SPRAT was started maybe 10-15 years ago. The journal comes out six times a year (I think).

I think it is well worth the money--I just renewed last week.

--Myron.

--

# We preserve our freedoms using four boxes: soap, ballot, jury, and cartridge.

# Myron A. Calhoun, PhD EE; Assoc. Professor (913) 539-4448 home

# INTERNET: mac@cis.ksu.edu (129.130.10.5) 532-6350 work, 532-7353 fax

# UUCP: ...rutgers!depot!mac Packet-BBS: WOPBV @ KOVAY.#NEKS.KS.USA.NAOM

-----  
Date: 18 Feb 93 13:50:44 GMT

From: news-mail-gateway@ucsd.edu

Subject: Bearing & Distance

To: info-hams@ucsd.edu

Emil Pocock, W3EP, the editor of The World Above 50 MHz in QST, has asked me about bearing & distance calculations. It's easy to compute them on a spherical Earth, but somewhat more complicated on the "real" non-spherical Earth. I have offered to write a program for Emil and his readers that calculates bearing & distance, taking into account the shape of the Earth. He wants it for the sake of calculating distance-records on VHF. Others might find it useful for more precise beam heading at microwaves, for example.

Can anyone out there direct me to the equations necessary for this little job?

Thanks -

Michael Owen W9IP

MROWEN@STLAWU

-----  
Date: Thu, 18 Feb 1993 12:51:24 GMT

From: pacbell.com!att-out!cbnewsj!k2ph@network.UCSD.EDU

Subject: Bill Clinton and military surplus

To: info-hams@ucsd.edu

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Date: Thu, 18 Feb 1993 04:59:17 GMT  
From: sdd.hp.com!saimiri.primate.wisc.edu!hp9000.csc.cuhk.hk!uxmail!ustsu5.ust.hk!  
ee\_hflo@network.UCSD.EDU  
Subject: C160  
To: info-hams@ucsd.edu

CQ CQ

I buy a standard C160 handheld recently. The manual include is the package was written in japanese.

Any body can give me the function code table of "SE" & "EA"

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Lo Ho Fung Michael Comp 'N'	== Internet e-mail address ==
Department of	University : ee\_hflo@stu.ust.hk
Electrical & Electronic Engineering	: mlo@nyx.cs.du.edu
The Hong Kong University	: michaelo@gnct.com
of Science & Technology	Radio Call Sign : VR2YJR
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Date: Thu, 18 Feb 1993 14:50:37 GMT  
From: usc!cs.utexas.edu!uwm.edu!linac!sunova!usenet@network.UCSD.EDU  
Subject: Chuck Norris on 440?  
To: info-hams@ucsd.edu

In article <1787700020@trsvax> rpo@trsvax.tandy.com writes:

>  
>Here's a good one. Chuck Norris is filming a movie  
>in and around Downtown Fort Worth. To coordinate production,  
>they are using handy-talkies and, apparently, a repeater.  
>  
>The frequencies they are using are 443.125 and 443.975.  
>Great. :^(  
>  
>Paul Opitz N5TPQ  
>  
>

Weeeeeell.....kind of using those frequencies.....

Actually, a television production company rented a number of Motorola Radius P-200 handhelds from a rental outfit in Houston that were willfully and intentionally programmed and retuned to 443.0125 MHz, 445.6125 MHz and several other simplex frequencies in the amateur band. Neither the rental company or the television production company had a license to operate legally in the commercial UHF band, so they picked these frequencies in the hope of not being detected (hehe). My remote base on 443.975 MHz (WB5WRR/r) has been dialed up to the 443.0125 MHz frequency for the last several days to "shed a little light" on this operation, as the channels were all picked to be between the normal 25 KHz amateur channels, and hence "hidden". Whats interesting about this is there are legitimate VHF frequencies set aside for motion picture use, and they chose not to use them.

I was in contact with the Dallas FCC field office at 9am yesterday morning, and by 1pm, an engineer had visited the scene and had advised the television crews to cease and desist. Nothing has been heard today so far on those frequencies.

Both the Dallas and Houston FCC field offices have expressed GREAT interest in checking out the Houston rental company, as it appears they have been renting these radios on a regular basis in the Houston, Austin, San Antonio and south Texas areas on these or similar frequencies in the amateur band. Amateurs in the Houston area are following up with the Houston FCC field office, and it is expected that one of the Houston FCC engineers will call the Dallas engineer today to "compare notes".

I will post more information as it becomes available.

Score Card:

Adams 1, Norris 0

Chuck Adams, WB5WRR (The Chuckster)  
Not an official document of DOE, SSCL, URA or EG&G  
"I cut you three ways, man: quick, deep and frequently"  
Internet: chuck\_adams@qmail.ssc.gov

-----  
Date: Thu, 18 Feb 1993 16:20:03 GMT  
From: sdd.hp.com!cs.utexas.edu!convex!news.utdallas.edu!feenix.metronet.com!  
marchbg@network.UCSD.EDU  
Subject: Chuck Norris on 440?  
To: info-hams@ucsd.edu

In article <1787700020@trsvax> rpo@trsvax.tandy.com writes:

>

>Here's a good one. Chuck Norris is filming a movie  
>in and around Downtown Fort Worth. To coordinate production,  
>they are using handy-talkies and, apparently, a repeater.  
>  
>The frequencies they are using are 443.125 and 443.975.  
>Great. :^(  
>  
>Paul Opitz N5TPQ  
>

How can they get away with this? This is very illegal, and I wish I heard  
it, I'd call the FCC myself. These movie companies and stars think they  
can get away with anything.

--

-----  
Marc Grant | Internet: marchbg@feenix.metronet.com  
POB 850472 | Packet: n5mei@n5lidd.#ntx.tx.usa.na  
Richardson, TX 75085-0472 | Amateur Radio Station N5MEI  
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Date: Thu, 18 Feb 1993 13:29:07 GMT  
From: sdd.hp.com!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!spool.mu.edu!  
darwin.sura.net!haven.umd.edu!wam.umd.edu!ham@network.UCSD.EDU  
Subject: Clinton's Cuts  
To: info-hams@ucsd.edu

I was looking through the Washington Post this morning, looking for a  
detailed breakdown of those "belt-tightening" measures of which Clinton  
spoke last night. Along with the taxing of Social Security (\$21 billion)  
and alteration of Medicare (\$5 billion) is the:

Auction of Federal Communications Commission Spectrum (\$4 billion).

What exactly does this mean? I don't know, personally, but it seems  
as though we will be having to fight for our frequencies, such as 220,  
902, etc. again. And I thought the FCC already charged people to use  
the spectrum...

Scott NF3I

--

Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD  
-----

Date: 18 Feb 93 09:15:30 -0500  
From: usc!wupost!darwin.sura.net!guvax.acc.georgetown.edu!roakley@network.UCSD.EDU

Subject: Clinton's Cuts  
To: info-hams@ucsd.edu

In article <1993Feb18.132907.4898@wam.umd.edu>, ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>  
> I was looking through the Washington Post this morning, looking for a  
> detailed breakdown of those "belt-tightening" measures of which Clinton  
> spoke last night. Along with the taxing of Social Security (\$21 billion)  
> and alteration of Medicare (\$5 billion) is the:  
>  
> Auction of Federal Communications Commission Spectrum (\$4 billion).  
>  
> What exactly does this mean? I don't know, personally, but it seems  
> as though we will be having to fight for our frequencies, such as 220,  
> 902, etc. again. And I thought the FCC already charged people to use  
> the spectrum...  
>  
> Scott NF3I  
>  
>

Actually, this is an idea that has been floating around for a long time, prompted by economic analysis of spectrum allocation. Primarily it is directed at commercial interests.

As I understand it, the "FCC does not already charge people to use the spectrum". Instead, there are lengthy and complex hearings, and other techniques designed to sort out who should get spectrum space. These procedures are intended to allocate spectrum space in the public interest, but result in costly procedures where most of the money goes to the lawyers. The economists tell us that the person who values the space most wins anyway (because they will hire the best lawyers) and the same result could be had more easily without the lawyers by selling the space to the highest bidder.

Although I am a bit fuzzy on the details, I think that is the essence of the proposal. As I said, it is primarily directed at commercial interests, but it makes me nervous, just like it does Scott.

Who is to say it would stop at commercial spectrum? And if we put a value on spectrum space in this way, what is to happen if say UPS (to pick a company at random) offers a lot of money for our space. How are we to compete? This trend may make passage of H.R. 73 (last year's bill) more important to secure our space for our use. I would say we need another strong push on that bill in the new Congress.

Bob

+++++

Robert L. Oakley (Bob)	PHONE:	(202) 662-9160
Georgetown Univ. Law Library	FAX:	(202) 662-9202
111 G Street, N.W.	BITNET:	ROAKLEY@GUVAX.BITNET
Washington, D.C. 20001	INTERNET:	ROAKLEY@GUVAX.GEORGETOWN.EDU
	ARS:	WK3C

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Date: 18 Feb 93 12:32:57 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Delivery Failure Report  
To: info-hams@ucsd.edu

From: NAME: Mail Postmaster  
FUNC:  
TEL: <POSTMASTER AT NEWPRTA1 at DOHENY at  
TUS>  
To: "Info-Hams@UCSD.Edu"@DECWRL@MRGATE

ALL-IN-1 was unable to deliver your message dated to  
"green.richard"

- no such ALL-IN-1 account;  
on node NEWPRT

The subject of the message was :  
Info-Hams Digest V93 #216

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Date: 18 Feb 93 14:43:52 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Delivery Failure Report  
To: info-hams@ucsd.edu

From: NAME: Mail Postmaster  
FUNC:  
TEL: <POSTMASTER AT NEWPRTA1 at DOHENY at  
TUS>  
To: "Info-Hams@UCSD.Edu"@DECWRL@MRGATE

ALL-IN-1 was unable to deliver your message dated to

"green.richard"

- no such ALL-IN-1 account;

on node NEWPRT

The subject of the message was :  
Info-Hams Digest V93 #217

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Date: 18 Feb 93 17:14:19 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!hri.com!ukma!nx39.mik.uky.edu!  
johnr@network.UCSD.EDU  
Subject: DJ160 mods! Here They Are  
To: info-hams@ucsd.edu

Date: Thu, 18 Feb 93 09:35:34 EST  
From: gatech!tecnet1.jcte.jcs.mil!jhawk@ms.uky.edu  
To: nx39.mik.uky.edu!johnr@ms.uky.edu  
Posted: Feb 18 09:32 EST (Feb 18 14:32 ZULU)  
Subject: [ANS] hams: Mod Sheet For DJ160 (Alinco)  
Sender: gatech!tecnet1.jcte.jcs.mil!jhawk@ms.uky.edu

for the mod cut the pink wire then hold the "f" and "light" turn the radio on  
then back off. thats all there is to it.

Rick  
KB5KYJ

--  
-+= John S. Roberts, Jr. Work: 257-2275 johnr@f1.facts.uky.edu +=-  
-+= FACTS Center Home: 272-1417 johnr%agnostic@ms.uky.edu +=-  
-+= McVey Hall Room 100 Home FTP: love.slip.uky.edu +=-  
-+= University of Kentucky Ham: KD4UBM Dod: 727 '85 Honda Shadow +=-

-----  
Date: 18 Feb 93 16:04:51 GMT  
From: usc!howland.reston.ans.net!spool.mu.edu!hri.com!noc.near.net!news.bbn.com!  
testament.bbn.com!jmccombi@network.UCSD.EDU  
Subject: help aligning Drake ML-2  
To: info-hams@ucsd.edu



I have a Drake ML-2 2m FM transceiver (xtal-bound) that I believe needs to be aligned. In particular, when I put some new xtals into the beast, other stations have trouble copying me and I often have trouble copying them (on packet). The user's manual (with schematic) has freq. adjustment directions that read something like this (I don't have the manual at work):

Adjust the output frequency using trimmer capacitor C47 [or whatever].

Adjust the receive frequency using trimmer capacitor C23 [or whatever]. A tab for connecting a voltmeter to the discriminator output may be found at location X on the receiver board. Ground should be on the chassis.

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Date: Tue, 16 Feb 1993 20:30:44 GMT  
From: usc!howland.reston.ans.net!paladin.american.edu!news.univie.ac.(!hp4at!mcsun!news.funet.fi!fuug!anon@network.UCSD.EDU  
Subject: Midland 13-516 Tech Service Manual  
To: info-hams@ucsd.edu

Newsgroups: rec.radio.amateur.misc  
X-Post-Me: Yes

I am looking for a Technical Service Manual for a Midland 13-516 VHF Tranceiver (or a copy of one). Up until now, I have been unable to locate anyone who can help me.

Any help or information would be appreciated. Please respond to the following internet id.

Wayne Salhany  
salhany@vnet.ibm.com

-----  
To find out more about the anon service, send mail to help@anon.penet.fi. Due to the double-blind system, any replies to this message will be anonymized, and an anonymous id will be allocated automatically. You have been warned. Please report any problems, inappropriate use etc. to admin@anon.penet.fi. \*IMPORTANT server security update\*, mail to update@anon.penet.fi for details.

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Date: 18 Feb 93 12:58:31 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Real Hams Pass British Exams  
To: info-hams@ucsd.edu

Jeff Jones (AB6MB) writes:

>>I saw the study materials for their licenses. The one advanced license  
>>study materials for it's test will give you a excellent background in  
>>radio theory. In fact we should probably copy it for our advanced  
>>licenses. It covers the various VFOs, transmitters, receivers, antennas,  
>>etc... Good radio course. My buddy who holds a British license said  
>>it takes a year of study to get that license, Class A is it? 73!

No. The exam alone gets you a Class B licence. Everyone (who isn't a novice amateur) has to have this exam (City & Guilds 765). To upgrade to a Class A and have access to the HF bands you have to pass the 12 wpm morse test, and that's what I'm working on at the mo.

The novice A + B licences are also differentiated by a morse test, but this time at 5 wpm. The novice licence requires the applicant to have completed a course of instruction, which includes practice QSOs, some practical construction. They also have to pass another (presumably easier) City & Guilds exam. I personally believe that the Class B course I went on would have been much more interesting if we had done the occasional practice QSO, and perhaps some practical circuit building. At the moment its \*ALL\* theory.

73,

Paul, GW7KES.

Packet: GW7KES@GB70NV Internet: pdu@ua.nrb.ac.uk

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Date: 17 Feb 93 21:58:00 GMT

From: news-mail-gateway@ucsd.edu

Subject: Sales tax on mail order?From: bryan.weaver@bville.gts.org (Bryan Weaver)

To: info-hams@ucsd.edu

Newsgroups: rec.radio.amateur.misc

CS.>I don't believe this is true. California charges sales tax  
.>on mail orders, whether the outfit is in California or not.  
.>I believe California won a court case on this recently. Anyone have  
.>newer info?

The US Supreme court rules back in the mid '60's (US vs BELLA HESS)  
(was a direct mail catalog co.) that individual states could not  
collect tax on mail order items sold into those states, unless the

seller (the Direct Mail co.) had "nexus" (ie legal presence in that state.

Recently CA and other states have tried to re-argue that case and tried to force out of state DM co'. to collect their sales taxes. In 1992, the US Supreme court again upheld the earlier ruling. In their findings, they the supreme court justices did leave the door open for Congress to enact legislation allowing these taxes to be collected. So, if you live in CA and order from NV, you save the tax!

Strictly speaking, the buyer is probably supposed to voluntarily pay their state the tax! \*<gg>\*

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. 1st 1.10b #1040 . We now present "Folk Songs of the Spanish Inquisition"

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|      Baudeville BBS - Over 2200 conferences in 12 networks      |
|      Over 2 gigabytes of shareware.  1-416-283-0114 v32bis/HST    |
|                                                                    |
|=====Be kind to our feeds.  No email over 15K please.=====|
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Date: 18 Feb 93 13:57:13 GMT  
From: vtserf!benjy.cc.vt.edu@uunet.uu.net  
Subject: Verification of QSL route for 5H3MT wanted  
To: info-hams@ucsd.edu

The local packet cluster node says the QSL route for 5H3MT is JA3PAU. When I worked 5H3MT, I copied JA3AAU. Can anyone confirm the correct QSL route? Please e-mail directly to me. Thanks in advance.

Benjy, AC4X0  
Virginia Tech Computing Center

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Date: 17 Feb 93 23:07:00 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!menudo.uh.edu!jetson.uh.edu!st1hg@network.UCSD.EDU  
Subject: Yaesu FT530 Mods???  
To: info-hams@ucsd.edu

This may have been discussed in this group already, but a friend of mine is considering the purchase of a Yaesu FT 530 HT and would like to know what mods are available for it. Like what can the frequency range be extended to etc. etc. If you could please E-Mail your responses as our

news reader sometimes messes up and I always miss things.

Thanks and 73's,

-Mac.

N5WVD.

ST1HG@Jetson.UH.EDU

-----  
Date: (null)

From: (null)

I know how to adjust the xmit freq. (use a freq. counter); how do I adjust the recv freq.? I connected a DVM as directed in the manual, then xmitted on that freq. with another radio while adjusting the trimmer. When the receiver appeared to be close to on-frequency, I could hear the other radio's xmission in the ML-2's speaker, but while adjusting the trimmer cap, I didn't see any change in my DVM reading. I finally just adjusted for what sounded best to my ear. For some stations I (want to) talk to, that's good enough, but it's not nearly as good as what I think it should be. What is the proper procedure for aligning this beast?

Please send e-mail direct. I will summarize to anyone interested.

Thanks,

Jon N1ILZ

jmccombie@bbn.com

{harvard, others}@bbn!jmccombie

-----  
Date: Thu, 18 Feb 1993 14:36:25 GMT

From: usc!wupost!spool.mu.edu!mixcom.com!kevin.jessup@network.UCSD.EDU

To: info-hams@ucsd.edu

References <C29n0r.AL3@csn.org>, <C2LvDz.5op@icon.rose.hp.com>,

<C2M7Bp.DLH@avalon.nwc.navy.mil>

Subject : Re: QUESTION Re: DJ580 Mods (legal/ethical)

I believe the extended transmit mod is there for those with licenses to operate on the MARS (148.010) and Civil Air Patrol (148.150) freqs.

Can anyone else verify this. Of course, the above does not explain the need for extended transmit well beyond those freqs. ;-)

--

Kevin Jessup, kevin.jessup@mixcom.mixcom.com

"Friends don't let friends run DOS."

-- Microware

-----  
Date: (null)  
From: (null)  
LOTS O' STUFF DELETED

Clinton has 6 letters?!? Billary has 6 letters?!?

Is this the new math? :-)

--

-----  
Bob Schreibmaier K2PH | UUCP: ...!att!mtdcr!k2ph  
AT&T Bell Laboratories | Internet: k2ph@mtdcr.att.com  
Middletown, N.J. 07748 | ICBM: 40o21'N, 74o8'W  
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Date: Tue, 16 Feb 1993 17:05:31 GMT  
From: usc!cs.utexas.edu!zaphod.mps.ohio-state.edu!menudo.uh.edu!uuneo!sugar!  
curtis@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Feb12.185518.17617@sbcs.sunysb.edu>,  
<1lolhpINNnq2@quasar.genrad.com>, <1993Feb15.192343.18347@mprgate.mpr.ca>  
Subject : Re: kits - subject to type acceptance, or not?

In article <1993Feb15.192343.18347@mprgate.mpr.ca> vanderby@mprgate.mpr.ca (David Vanderbyl) writes:

>

>This is interesting, as I have seen TV programs where it was said that

>using Visa was like using cash. i.e. no stop payments were allowed.

>Hmmm....

Actually VISA / MC / AMEX is one of the best ways of protecting yourself. If it's junk and you discover it before you pay the bill - simply 1) talk to the seller and attempt to get an agreement, 2) send the seller a letter - telling them you won't pay and why, 3) send a copy of the letter to VISA/MC/AMEX with the item of the bill under contention indicated - then you've got VISA/MC/AMEX working as an arbitrator for you.

curtis

--

Curtis Keller

713-953-8309  
curtis@neosoft.com

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End of Info-Hams Digest V93 #228  
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